

## Sequence Listing

<110> Keio University

<120> PROTEIN FORMING COMPLEX WITH c-Fos PROTEIN, NUCLEIC ACID ENCODING  
THE SAME AND METHOD OF USING THE SAME

<130> P393-OP1718

<150> JP 2002-360046

<151> 2002-12-11

<160> 191

<170> PatentIn version 3.0

<210> 1

<211> 184

<212> PRT

<213> Mus musculus

<400> 1

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His Leu Thr Asp Arg Leu Arg His Leu Ala Asp Arg Leu Arg His Leu
        35           40           45
Ala Asp Arg Leu Lys His Leu Thr Ser Arg Leu Gly His Leu Thr Asp
        50           55           60
Arg Ser Trp His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu
65           70           75           80
Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Gln Arg Tyr
          85           90           95
Leu Ala Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr
        100          105          110
Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg
        115          120          125
Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met
        130          135          140
His Leu Thr Asp Arg Leu Arg His Leu Ala Asp Arg Gln Arg His Leu
145          150          155          160
Ala Asp Arg Gln Arg His Leu Ala Asp Arg Leu Arg His Leu Ala Asp

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165 170 175  
Lys Leu Arg His Gln Leu Gln Leu  
180

<210> 2  
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<213> Mus musculus

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Ala Asp Arg Gln Arg His Asp  
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<213> Mus musculus

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Ala Asp Arg Gln Arg His Asp  
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<213> Mus musculus

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 <213> Mus musculus

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<210> 6  
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 Ala Asp Arg Arg Arg His Asp  
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 <213> Mus musculus

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	Arg	His	Asp
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 Ala Asp Arg Gln Arg His Asp  
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<210> 9  
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<210> 10  
 <211> 38  
 <212> PRT  
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 <212> PRT  
 <213> Mus musculus

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 <211> 38  
 <212> PRT  
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<210> 13  
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 35 40 45

<210> 14  
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 <213> Mus musculus

&lt;400&gt; 14

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 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met  
 20 25 30  
 Arg Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg His Leu  
 35 40 45  
 Ala Asp Arg Gln Arg His Asp  
 50 55

&lt;210&gt; 15

&lt;211&gt; 281

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 15

Met Ala Thr Asn Phe Leu Ala His Glu Lys Ile Trp Phe Asp Lys Phe  
 1 5 10 15  
 Lys Tyr Asp Asp Ala Glu Arg Arg Phe Tyr Glu Gln Met Asn Gly Pro  
 20 25 30  
 Val Thr Ser Gly Ser Arg Gln Glu Asn Gly Ala Ser Val Ile Leu Arg  
 35 40 45  
 Asp Ile Ala Arg Ala Arg Glu Asn Ile Gln Lys Ser Leu Ala Gly Ser  
 50 55 60  
 Ser Gly Pro Gly Ala Ser Ser Gly Pro Gly Gly Asp His Ser Glu Leu  
 65 70 75 80  
 Ile Val Arg Ile Thr Ser Leu Glu Val Glu Asn Gln Asn Leu Arg Gly  
 85 90 95  
 Val Val Gln Asp Leu Gln Gln Ala Ile Ser Lys Leu Glu Ala Arg Leu  
 100 105 110  
 Ser Ser Leu Glu Lys Ser Ser Pro Thr Pro Arg Ala Thr Ala Pro Gln  
 115 120 125  
 Thr Gln His Val Ser Pro Met Arg Gln Val Glu Pro Pro Thr Lys Lys  
 130 135 140  
 Gly Ala Thr Pro Ala Glu Asp Asp Glu Asp Lys Asp Ile Asp Leu Phe  
 145 150 155 160  
 Gly Ser Asp Glu Glu Glu Glu Asp Lys Glu Ala Ala Arg Leu Arg Glu  
 165 170 175  
 Glu Arg Leu Arg Gln Tyr Ala Glu Lys Lys Ala Lys Lys Pro Thr Leu  
 180 185 190  
 Val Ala Lys Ser Ser Ile Leu Leu Asp Val Lys Pro Trp Asp Asp Glu  
 195 200 205

Thr Asp Met Ala Gln Leu Glu Thr Cys Val Arg Ser Ile Gln Leu Asp  
 210 215 220  
 Gly Leu Val Trp Gly Ala Ser Lys Leu Val Pro Val Gly Tyr Gly Ile  
 225 230 235 240  
 Arg Lys Leu Gln Ile Gln Cys Val Val Glu Asp Asp Lys Val Gly Thr  
 245 250 255  
 Asp Leu Leu Glu Glu Glu Ile Thr Lys Phe Glu Glu His Val Gln Ser  
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 Val Asp Ile Ala Ala Phe Asp Lys Ile  
 275 280

<210> 16  
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<400> 16  
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 35 40 45  
 Thr Ala Pro Gln Thr Arg  
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<210> 17  
 <211> 53  
 <212> PRT  
 <213> Mus musculus

<400> 17  
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 20 25 30  
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 35 40 45  
 Ala Pro Gln Thr Arg  
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<210> 18  
 <211> 54

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 18

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His Ser Glu Leu Ile Val Arg Ile Asn Ser Leu Glu Val Glu Asn Gln
1           5           10           15
Asn Leu Arg Gly Val Val Gln Asp Leu Gln Gln Ala Ile Ser Lys Leu
          20           25           30
Glu Ala Arg Leu Ser Ser Leu Glu Lys Ser Ser Pro Thr Pro Arg Ala
          35           40           45
Thr Ala Pro Arg Thr Arg
          50

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&lt;210&gt; 19

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 19

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His Ser Glu Leu Ile Val Arg Ile Thr Ser Leu Glu Val Glu Asn Gln
1           5           10           15
Asn Leu Arg Gly Val Val Gln Asp Leu Gln Gln Ala Ile Ser Arg Leu
          20           25           30
Glu Ala Arg Leu Ser Ser Leu Glu Lys Ser Ser Pro Thr Pro Arg Ala
          35           40           45
Thr Ala Pro Gln Thr Arg
          50

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&lt;210&gt; 20

&lt;211&gt; 268

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 20

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Met Leu Ser Ala Phe Pro Ala Gln Leu Ala Gln Gln Ser Ser Phe Gly
1           5           10           15
Val Cys Val Leu Gly Cys Thr Glu Met Val His Gln Glu Asn Cys Ser
          20           25           30
Tyr Gln Ala Gln Lys Asn Glu Arg Glu Ser Ile Arg Gln Lys Leu Ala
          35           40           45
Leu Gly Ser Phe Phe Asp Asp Gly Pro Gly Ile Tyr Thr Ser Cys Ser
          50           55           60
Lys Ser Gly Lys Pro Ser Leu Ser Ala Arg Leu Gln Ser Gly Met Asn

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65		70		75		80									
Leu	Gln	Ile	Cys	Phe	Val	Asn	Asp	Ser	Gly	Ser	Asp	Lys	Asp	Ser	Asp
				85					90					95	
Ala	Asp	Asp	Ser	Lys	Thr	Glu	Thr	Ser	Leu	Asp	Thr	Pro	Leu	Ser	Pro
				100					105					110	
Met	Ser	Lys	Gln	Ser	Ser	Ser	Tyr	Ser	Asp	Arg	Asp	Thr	Thr	Glu	Glu
		115					120					125			
Glu	Ser	Glu	Ser	Leu	Asp	Asp	Met	Asp	Phe	Leu	Thr	Arg	Gln	Lys	Lys
		130					135				140				
Leu	Gln	Ala	Glu	Ala	Lys	Met	Ala	Leu	Ala	Met	Ala	Lys	Pro	Met	Ala
145					150					155				160	
Lys	Met	Gln	Val	Glu	Val	Glu	Arg	Gln	Asn	Arg	Lys	Lys	Ser	Pro	Val
				165					170					175	
Ala	Asp	Leu	Leu	Pro	His	Met	Pro	His	Ile	Ser	Glu	Cys	Leu	Met	Lys
				180					185					190	
Arg	Ser	Leu	Lys	Pro	Thr	Asp	Leu	Arg	Asp	Met	Thr	Ile	Gly	Gln	Leu
		195					200					205			
Gln	Val	Ile	Val	Asn	Asp	Leu	His	Ser	Gln	Ile	Glu	Ser	Leu	Asn	Glu
		210					215				220				
Glu	Leu	Val	Gln	Leu	Leu	Leu	Ile	Arg	Asp	Glu	Leu	His	Thr	Glu	Gln
225					230					235				240	
Asp	Ala	Met	Leu	Val	Asp	Ile	Glu	Asp	Leu	Thr	Arg	His	Ala	Glu	Ser
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Gln	Gln	Lys	His	Met	Ala	Glu	Lys	Met	Pro	Ala	Lys				
				260					265						

<210> 21  
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 <212> PRT  
 <213> Mus musculus

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 Asn Asp Leu His Ser Gln Ile Glu Ser Leu Asn Glu Glu Leu Val Gln  
 35 40 45  
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 <212> PRT  
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<400> 22  
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 20 25 30  
 Asn Asp Leu His Ser Gln Ile Glu Arg Leu Asn Glu Glu Leu Val Gln  
 35 40 45  
 Leu Leu Leu Ile Arg Asp Glu Leu His Thr Glu Gln Asp Ala Met Leu  
 50 55 60  
 Val Asp Ile Glu Asp Leu Thr Arg His Ala Glu Lys Glu Gln  
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<210> 23  
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 <212> DNA  
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 ctagcagaca gattgaggca tctagcagac agactgaaac atcttaccag cagattgggg 180  
 catctaacag acagatcatg gcatctaaca gacagatttg ggcattctaac agacagattg 240  
 aggcattctaa cagacagatt ggggcatcta acagacagac agaggatatct agcagacaga 300  
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 gacagactga tgcattctaac agacagactg aggcattctag cagacagaca gaggcatcta 480  
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 <213> Mus musculus

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165

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<211> 165

<212> DNA

<213> Mus musculus

<400> 25

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acagacagat tggggcatct aacagacaga ctgatgcac taacagacag actgatgcat 120  
ctaacagaca gactgaggca tctagcagac agacagaggc acgac 165

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<211> 165

<212> DNA

<213> Mus musculus

<400> 26

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acagacagat tggggcatct aacagacaga ctgatgcac taacagacag actgatgcat 120  
ctaacagaca gactgaggca tctagcagac aggcagaggc acgac 165

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<211> 165

<212> DNA

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ctaacagaca gactgaggca tttagcagac agacagaggc acgac 165

<210> 28

<211> 114

<212> DNA

<213> Mus musculus

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<213> Mus musculus

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ctagcagtta gacag	135

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<211> 165

<212> DNA

<213> Mus musculus

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ctaacagaca gactgaggca tctagcagac agacggaggc acgac	165

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<211> 165

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ctaacagaca gaccgaggca tctagcagac agacagaggc acgac	165

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<211> 165

<212> DNA

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ctagcagtca gacag 135

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 acagacagat tggggcatct aacagacaga ctgatgcgtc taacagacag actgatgcat 120  
 ctaacagaca gactgaggca tctagcagac agacagaggc acgac 165

<210> 39  
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 aatggtgcc a gctgatcct ccgagacatt gcaagagcca gagagaacat ccagaaatcc 180  
 ttggctggaa gctcaggccc tggagcctcc agtggacctg gtggagacca cagttagctc 240  
 attgtgagga ttaccagtct ggaagtggag aaccagaacc ttcgaggcgt ggtgcaagat 300  
 ttgcagcagg ccattttcaa gttggaggcc cggctgagct ctctagagaa gagttcacct 360  
 actccccgag ccacggcccc acagacccaa catgtctctc ctatgcgtca agtggagccc 420  
 ccaaccaaga aaggagccac accagcagag gacgatgagg acaaggacat tgacctgttc 480  
 ggcagtgacg aggaggaaga agataaggag gctgcccagc tacgggagga gaggctacgc 540  
 cagtacgcag agaagaaggc caagaagccc acactggtgg ccaaatactc catccttttg 600  
 gatgttaaac cttgggatga tgagactgac atggcccagc tagagacttg tgtgcgttcc 660  
 atccaattgg acgggctggt ttggggggcc tccaagcttg tgcctgttgg ctatggcatc 720  
 cggaagctgc agatccagtg tgtggtggag gatgacaaag tgggcaccga cttgctcgag 780  
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 aagagttcac ctactccccg agccacggcc ccacagaccc ga 162

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&lt;213&gt; Mus musculus

&lt;400&gt; 41

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agttcaccta	ctccccgagc	cacggcccca	cagacccga			159

&lt;210&gt; 42

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 42

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gtggtgcaag	atttgcagca	ggccatttcc	aagttggagg	cccggctgag	ctctttagag	120
aagagttcac	ctactccccg	agccacggcc	ccacggaccc	ga		162

&lt;210&gt; 43

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 43

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gtggtgcaag	atttgcagca	ggccatttcc	aggttggagg	cccggctgag	ctctctagag	120
aagagttcac	ctactccccg	agccacggcc	ccacagaccc	ga		162

&lt;210&gt; 44

&lt;211&gt; 804

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 44

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ggatgtactg	agatggtaca	tcaggagaac	tgctcgtacc	aggcacagaa	gaatgagaga	120
gagtctatca	gacagaagtt	ggcactcgga	agcttctttg	acgatggccc	aggaatctat	180
accagctgca	gcaaaagtgg	gaagccaagc	ctttctgcaa	gactacagag	cgggatgaac	240
ctccagatat	gctttgtcaa	tgacagcggc	agtgacaagg	acagcgatgc	agatgacagt	300
aagacggaaa	ccagcttgga	cacgcccttg	tcccccatga	gcaagcagag	ttcttcctat	360
tcggatagag	acacaactga	ggaggagtct	gaatccctgg	atgacatgga	cttcctcaca	420
aggcaaaaga	agctacaagc	tgaagccaaa	atggctctgg	ccatggccaa	accaatggcc	480
aaaatgcaag	tagaagtgga	aagacagaa	aggaaaaagt	ctcccgtcgc	tgatcttctc	540

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ccacacatgc ctcacataag cgaatgtttg atgaaaagaa gcttaaagcc caccgacctg 600
agagacatga ctatcgggca gctacaagtg atcgtcaatg acctccactc ccagattgaa 660
agtttgaatg aagagtttgt ccagctgctc cttattcgag atgagctgca cacagaacaa 720
gatgccatgc tgggtggacat tgaagacttg actagacacg ctgagagtca gcagaagcac 780
atggctgaga aaatgccccg gaag 804

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<210> 45  
 <211> 234  
 <212> DNA  
 <213> Mus musculus

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<400> 45
ccacacacgc ctcacataag cgaatgtttg atgaaaagaa gcttaaagcc caccgacctg 60
agagacatga ctatcgggca gctacaagtg atcgtcaatg acctccactc ccagattgaa 120
agtttgaatg aagagtttgt ccagctgctc cttattcgag atgagctgca cacagaacaa 180
gatgccatgc tgggtggacat tgaagacttg actagacacg ctgagaggga gcag 234

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<210> 46  
 <211> 234  
 <212> DNA  
 <213> Mus musculus

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<400> 46
ccacacatgc ctcacataag cgaatgtttg atgaaaagaa gcttaaagcc caccgacctg 60
agagacatga ctatcgggca gctacaagtg atcgtcaatg acctccactc ccagattgag 120
cgtttgaatg aagagtttgt ccagctgctc cttattcgag atgagctgca cacagaacaa 180
gatgccatgc tgggtggacat tgaagacttg actagacacg ctgagaagga gcag 234

```

<210> 47  
 <211> 191  
 <212> PRT  
 <213> Mus musculus

```

<400> 47
Met Pro Leu Arg His Leu Ala Asp Arg Leu Gly His Leu Ala Asp Arg
1          5          10          15
Leu Arg His Leu Thr Asp Arg Leu Arg His Leu Ala Asp Arg Leu Arg
          20          25          30
His Leu Thr Asp Arg Leu Arg His Leu Ala Asp Arg Leu Lys His Leu
          35          40          45
Ala Asp Arg Leu Lys His Leu Thr Asp Arg Leu Gly His Leu Thr Asp
          50          55          60
Arg Ser Trp His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu

```



65		70		75		80									
Arg	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr	Asp	Arg	Gln	Arg	Tyr
				85					90					95	
Leu	Ala	Asp	Arg	Leu	Arg	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr
				100				105					110		
Asp	Lys	Leu	Arg	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr	Asp	Arg
		115					120					125			
Leu	Arg	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr	Asp	Arg	Leu	Met
	130					135					140				
His	Leu	Thr	Asp	Arg	Leu	Met	His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu
145					150				155					160	
Ala	Asp	Arg	Gln	Arg	His	Leu	Ala	Asp	Arg	Gln	Arg	His	Leu	Ala	Asp
			165					170					175		
Arg	Leu	Arg	His	Leu	Ala	Asp	Lys	Leu	Arg	His	Gln	Leu	Gln	Leu	
		180					185					190			

<210> 48  
 <211> 71  
 <212> PRT  
 <213> Mus musculus

<400> 48  
 Ile Glu Ala Ser Asn Arg Gln Ile Gly Ala Ser Asn Arg Gln Thr Glu  
 1 5 10 15  
 Ala Ser Asn Arg Gln Ile Gly His Leu Thr Asp Arg Leu Arg His Leu  
 20 25 30  
 Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met His Leu Thr Asp  
 35 40 45  
 Arg Leu Met His Leu Thr Asp Arg Leu Arg His Leu Ala Asp Arg Gln  
 50 55 60  
 Arg His Leu Ala Asp Arg Leu  
 65 70

<210> 49  
 <211> 55  
 <212> PRT  
 <213> Mus musculus

<400> 49  
 Asp Lys Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg  
 1 5 10 15  
 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met  
 20 25 30

His	Leu	Thr	Asp	Arg	Leu	Met	His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu
			35					40					45		
Ala	Asp	Arg	Gln	Arg	His	Asp									
			50			55									

<210> 50  
 <211> 45  
 <212> PRT  
 <213> Mus musculus

Asp	Arg	Leu	Gly	His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu	Thr	Asp	Arg
1				5					10					15	
Leu	Gly	His	Leu	Thr	Asp	Arg	Leu	Met	His	Leu	Thr	Asp	Arg	Leu	Met
			20				25					30			
His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu	Ala	Val	Arg	Gln			
			35				40					45			

<210> 51  
 <211> 45  
 <212> PRT  
 <213> Mus musculus

Asp	Arg	Leu	Gly	Arg	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu	Thr	Asp	Arg
1				5					10					15	
Leu	Gly	His	Leu	Thr	Asp	Arg	Leu	Met	His	Leu	Thr	Asp	Arg	Leu	Met
			20				25					30			
His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu	Ala	Val	Arg	Gln			
			35				40					45			

<210> 52  
 <211> 45  
 <212> PRT  
 <213> Mus musculus

Asp	Arg	Leu	Gly	His	Leu	Thr	Asp	Arg	Leu	Arg	Tyr	Leu	Thr	Asp	Arg
1				5					10					15	
Leu	Gly	His	Leu	Thr	Asp	Arg	Leu	Met	His	Leu	Thr	Asp	Arg	Leu	Met
			20				25					30			
His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu	Ala	Val	Arg	Gln			
			35				40					45			

<210> 53  
 <211> 45  
 <212> PRT  
 <213> Mus musculus

<400> 53  
 Asp Arg Leu Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg  
 1                   5                   10                   15  
 Leu Gly His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Thr  
                   20                   25                   30  
 His Leu Thr Asp Arg Leu Arg His Leu Ala Val Arg Gln  
                   35                   40                   45

<210> 54  
 <211> 45  
 <212> PRT  
 <213> Mus musculus

<400> 54  
 Asp Arg Leu Gly His Leu Thr Asp Arg Leu Lys His Leu Thr Asp Arg  
 1                   5                   10                   15  
 Leu Gly His Leu Thr Asp Arg Leu Ile His Leu Thr Asp Arg Leu Met  
                   20                   25                   30  
 His Leu Thr Asp Arg Leu Arg His Leu Ala Val Arg Gln  
                   35                   40                   45

<210> 55  
 <211> 45  
 <212> PRT  
 <213> Mus musculus

<400> 55  
 Gly Arg Leu Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg  
 1                   5                   10                   15  
 Leu Gly His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Met  
                   20                   25                   30  
 His Leu Thr Asp Arg Leu Arg His Leu Ala Val Arg Gln  
                   35                   40                   45

<210> 56  
 <211> 38  
 <212> PRT

<213> Mus musculus

<400> 56

Asp	Arg	Leu	Arg	His	Leu	Ala	Asp	Arg	Leu	Arg	His	Leu	Thr	Asp	Arg
1				5					10					15	
Leu	Arg	His	Leu	Ala	Asp	Arg	Leu	Lys	His	Leu	Ala	Asp	Arg	Leu	Lys
			20					25						30	
His	Leu	Thr	Asn	Arg	Lys										
			35												

<210> 57

<211> 184

<212> PRT

<213> Mus musculus

<400> 57

Met	Pro	Leu	Arg	His	Leu	Ala	Asp	Arg	Leu	Gly	His	Leu	Ala	Asp	Arg
1				5					10					15	
Leu	Arg	His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu	Ala	Asp	Arg	Leu	Arg
			20					25						30	
His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu	Ala	Asp	Arg	Leu	Arg	His	Leu
		35					40					45			
Ala	Asp	Arg	Leu	Lys	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr	Asp
	50					55					60				
Arg	Ser	Trp	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr	Asp	Arg	Leu
65				70					75					80	
Arg	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr	Asp	Arg	Gln	Arg	Tyr
			85					90					95		
Leu	Ala	Asp	Arg	Leu	Arg	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr
			100					105					110		
Asp	Arg	Leu	Arg	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr	Asp	Arg
		115						120				125			
Leu	Arg	His	Leu	Thr	Asp	Arg	Leu	Gly	His	Leu	Thr	Asp	Arg	Leu	Met
	130					135					140				
His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu	Ala	Asp	Arg	Gln	Arg	His	Leu
145					150					155				160	
Ala	Asp	Arg	Gln	Arg	His	Leu	Ala	Asp	Arg	Leu	Arg	His	Leu	Ala	Asp
			165						170					175	
Lys	Leu	Arg	His	Gln	Leu	Gln	Leu								
					180										

<210> 58

<211> 79

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 58

Glu	Lys	Val	Lys	Thr	Leu	Lys	Ala	Gln	Asn	Ser	Glu	Leu	Ala	Ser	Thr
1				5				10					15		
Ala	Asn	Thr	Leu	Arg	Glu	Gln	Val	Ala	Leu	Leu	Lys	Gln	Lys	Val	Met
			20					25					30		
Asn	His	Val	Asn	Ser	Gly	Cys	Gln	Leu	Met	Leu	Thr	Gln	Gln	Leu	Gln
		35					40					45			
Thr	Phe	Trp	Glu	Gln	Thr	Val	Arg	Ala	Glu	Gly	Gln	Trp	Lys	Lys	Lys
	50					55					60				
Asn	Asn	Arg	Asp	Lys	Leu	Glu	Asn	Leu	Thr	Gly	Cys	Asp	Arg	Glu	
65					70					75					

&lt;210&gt; 59

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 59

Arg	Ile	Lys	Ala	Glu	Arg	Lys	Arg	Met	Arg	Asn	Arg	Ile	Ala	Ala	Ser
1				5				10					15		
Glu	Cys	Arg	Lys	Arg	Lys	Leu	Glu	Arg	Ile	Ala	Arg	Leu	Glu	Glu	Lys
			20					25					30		
Val	Lys	Thr	Leu	Lys	Ala	Gln	Asn	Ser	Glu	Leu	Ala	Ser	Thr	Ala	Asn
		35					40					45			
Met	Leu	Arg	Glu	Gln	Val	Ala	Gln	Leu	Lys	Gln	Lys	Val	Met	Asn	His
	50					55					60				
Val	Asn	Ser	Gly	Cys	Gln	Leu	Met	Leu	Thr	Gln	Gln				
65					70					75					

&lt;210&gt; 60

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 60

Gly	His	Leu	Ala	Asp	Arg	Leu	Arg	His	Leu	Thr	Asp	Arg	Leu	Arg	His
1				5				10					15		
Leu	Ala	Asp	Arg	Leu	Arg	His	Leu	Thr	Asp	Arg	Leu	Arg	His	Leu	Ala
			20					25					30		
Asp	Arg	Leu	Arg	His	Leu	Ala	Asp	Arg	Leu	Lys	His	Leu	Thr	Asp	Arg

35

40

45

<210> 62

<211> 44

&lt;212&gt; PRT

<400> 62

Ala Asp Arg Leu Arg His Leu Thr Asp Arg Leu Arg His Leu Ala Asp  
1 5 10 15  
Arg Leu Arg His Leu Thr Asp Arg Leu Arg His  
20 25

<210> 64  
 <211> 53  
 <212> PRT  
 <213> Mus musculus

<400> 64  
 Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp  
 1 5 10 15  
 Arg Leu Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu  
 20 25 30  
 Gly His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg His  
 35 40 45  
 Leu Ala Asp Arg Pro  
 50

<210> 65  
 <211> 46  
 <212> PRT  
 <213> Mus musculus

<400> 65  
 Arg Gln Arg His Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu  
 1 5 10 15  
 Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His  
 20 25 30  
 Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg Pro  
 35 40 45

<210> 66  
 <211> 39  
 <212> PRT  
 <213> Mus musculus

<400> 66  
 Asp Arg Leu Ser His Leu Ala Asp Arg Leu Arg His Leu Thr Asp Arg  
 1 5 10 15  
 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Arg  
 20 25 30  
 His Leu Ala Asp Arg Gln Arg  
 35

<210> 67  
 <211> 39

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 67

Asp Arg Leu Arg His Leu Ala Asp Arg Leu Arg His Leu Thr Asp Arg  
 1                      5                      10                      15  
 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Arg  
                     20                      25                      30  
 His Leu Ala Asp Arg Gln Arg  
                     35

&lt;210&gt; 68

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 68

Gly Arg Leu Arg His Leu Ala Asp Arg Leu Arg His Leu Thr Asp Arg  
 1                      5                      10                      15  
 Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Arg  
                     20                      25                      30  
 His Leu Ala Asp Arg Gln Arg  
                     35

&lt;210&gt; 69

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 69

Tyr Leu Ala Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His Leu  
 1                      5                      10                      15  
 Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp  
                     20                      25                      30  
 Arg Leu Arg His Leu Thr Asp Arg Leu Gly Gln  
                     35                      40

&lt;210&gt; 70

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 70



Tyr Leu Ala Asp Arg Leu Arg His Leu Thr Asp Arg Leu Arg His Leu  
 1                      5                      10                      15  
 Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp  
                     20                      25                      30  
 Arg Leu Arg His Leu Thr Asp Arg Leu Gly Gln  
                     35                      40

<210> 71  
 <211> 76  
 <212> PRT  
 <213> Mus musculus

<400> 71  
 Arg Ile Lys Ala Glu Arg Lys Arg Met Arg Asn Arg Ile Ala Ala Ser  
 1                      5                      10                      15  
 Lys Cys Arg Lys Arg Lys Leu Glu Arg Ile Ala Arg Leu Glu Glu Lys  
                     20                      25                      30  
 Val Lys Thr Leu Lys Ala Gln Asn Ser Glu Leu Ala Ser Thr Ala Asn  
                     35                      40                      45  
 Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln Lys Val Met Asn His  
                     50                      55                      60  
 Val Asn Ser Gly Cys Gln Leu Met Leu Thr Gln Gln  
 65                      70                      75

<210> 72  
 <211> 44  
 <212> PRT  
 <213> Mus musculus

<400> 72  
 Leu Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly  
 1                      5                      10                      15  
 His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg His Leu  
                     20                      25                      30  
 Ala Asp Arg Gln Arg His Leu Ala Asp Arg Gln Lys  
                     35                      40

<210> 73  
 <211> 36  
 <212> PRT  
 <213> Mus musculus

<400> 73

Leu Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly  
1 5 10 15  
His Leu Thr Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg His Leu  
20 25 30  
Ala Asp Thr Gln  
35

<210>	74
<211>	44
<212>	PRT
<213>	Mus musculus

<400> 74  
Gly His Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His  
1 5 10 15  
Leu Thr Asp Arg Leu Arg His Leu Thr Asp Arg Leu Gly His Leu Thr  
20 25 30  
Asp Arg Leu Met His Leu Thr Asp Arg Leu Arg His  
35 40

<210>	75
<211>	51
<212>	PRT
<213>	Mus musculus

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<400> 75
Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Arg His
1          5          10          15
Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Met His Leu Thr
20          25          30
Asp Arg Leu Arg His Leu Ala Asp Arg Gln Arg His Leu Ala Asp Arg
35          40          45
Gln Arg His
50

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<210>	76
<211>	51
<212>	PRT
<213>	Mus musculus

<400> 76  
Arg His Leu Thr Asp Arg Leu Gly His Leu Thr Asp Arg Leu Arg His  
1 5 10 15

Leu Thr Asp Arg Leu Gly Arg Leu Thr Asp Arg Leu Met His Leu Thr  
                   20                  25                  30  
 Asp Arg Leu Arg His Leu Ala Asp Arg Gln Arg His Leu Ala Asp Arg  
                   35                  40                  45  
 Gln Arg His  
                   50

<210> 77  
 <211> 584  
 <212> PRT  
 <213> Mus musculus

<400> 77  
 Met Ser His Gln Pro Leu Ser Cys Leu Thr Glu Lys Gly Asp Ser Pro  
 1                  5                  10                  15  
 Cys Glu Thr Pro Gly Asn Gly Pro Ser Asn Met Val His Pro Ser Leu  
                   20                  25                  30  
 Asp Thr Phe Thr Pro Glu Glu Leu Leu Gln Gln Met Lys Glu Leu Leu  
                   35                  40                  45  
 Val Glu Asn His Gln Leu Lys Glu Ala Met Lys Leu Asn Asn Gln Ala  
                   50                  55                  60  
 Met Lys Gly Arg Phe Glu Glu Leu Ser Ala Trp Thr Glu Lys Gln Lys  
 65                  70                  75                  80  
 Glu Glu Arg Leu Leu Phe Glu Met Gln Ser Lys Glu Val Lys Glu Arg  
                   85                  90                  95  
 Leu Lys Ala Leu Thr His Glu Asn Glu Arg Leu Lys Glu Glu Leu Gly  
                   100                  105                  110  
 Lys Phe Lys Glu Lys Ser Glu Lys Pro Leu Glu Asp Leu Thr Gly Gly  
                   115                  120                  125  
 Tyr Arg Tyr Pro Arg Ala Leu Glu Glu Glu Val Glu Lys Leu Lys Thr  
                   130                  135                  140  
 Gln Val Glu Gln Glu Val Glu His Leu Lys Ile Gln Val Met Arg Leu  
 145                  150                  155                  160  
 Arg Ala Glu Lys Ala Asp Leu Leu Gly Ile Val Ser Glu Leu Gln Leu  
                   165                  170                  175  
 Lys Leu Asn Ser Gly Gly Ser Ser Glu Asp Ser Phe Val Glu Ile Arg  
                   180                  185                  190  
 Met Thr Glu Gly Glu Thr Glu Gly Ala Met Lys Glu Met Lys Asn Cys  
                   195                  200                  205  
 Pro Thr Pro Thr Arg Thr Asp Pro Ile Ser Leu Ser Asn Cys Thr Glu  
                   210                  215                  220  
 Asp Ala Arg Ser Cys Ala Glu Phe Glu Glu Leu Thr Val Ser Gln Leu  
 225                  230                  235                  240

Leu Leu Cys Leu Arg Glu Gly Asn Gln Lys Val Glu Arg Leu Glu Val  
 245 250 255  
 Ala Leu Arg Glu Ala Lys Glu Arg Ile Ser Asp Phe Glu Lys Lys Ala  
 260 265 270  
 Asn Gly His Ser Ser Thr Glu Lys Gln Thr Ala Arg Arg Ala Asp Arg  
 275 280 285  
 Glu Lys Glu Asp Lys Gly Gln Glu Ser Val Gly Ser Glu Val Glu Thr  
 290 295 300  
 Leu Ser Ile Gln Val Thr Ser Leu Phe Lys Glu Leu Gln Glu Ala His  
 305 310 315 320  
 Thr Lys Leu Ser Glu Ala Glu Leu Met Lys Lys Arg Leu Gln Glu Lys  
 325 330 335  
 Cys Gln Ala Leu Glu Arg Lys Asn Ser Ala Thr Pro Ser Glu Leu Asn  
 340 345 350  
 Glu Lys Gln Glu Leu Val Tyr Ser Asn Lys Lys Leu Glu Leu Gln Val  
 355 360 365  
 Glu Ser Met Arg Ser Glu Ile Lys Met Glu Gln Ala Lys Thr Glu Glu  
 370 375 380  
 Glu Lys Ser Arg Leu Ala Thr Leu Gln Ala Thr His Asn Lys Leu Leu  
 385 390 395 400  
 Gln Glu His Asn Lys Ala Leu Lys Thr Ile Glu Glu Leu Thr Lys Gln  
 405 410 415  
 Gln Ala Glu Lys Val Asp Lys Met Leu Leu Gln Glu Leu Ser Glu Lys  
 420 425 430  
 Leu Glu Leu Ala Glu Gln Ala Leu Ala Ser Lys Gln Leu Gln Met Asp  
 435 440 445  
 Glu Met Lys Gln Thr Leu Ala Lys Gln Glu Glu Asp Leu Glu Thr Met  
 450 455 460  
 Ala Val Leu Arg Ala Gln Met Glu Val Tyr Cys Ser Asp Phe His Ala  
 465 470 475 480  
 Glu Arg Ala Ala Arg Glu Lys Ile His Glu Glu Lys Glu Gln Leu Ala  
 485 490 495  
 Leu Gln Leu Ala Ile Leu Leu Lys Glu Asn Asn Asp Ile Glu Glu Gly  
 500 505 510  
 Gly Ser Arg Gln Ser Leu Met Glu Met Gln Cys Arg His Gly Ala Arg  
 515 520 525  
 Thr Ser Asp Ser Asp Gln Gln Thr Tyr Leu Phe Gln Arg Gly Ala Glu  
 530 535 540  
 Asp Arg Ser Trp Gln His Gly Gln Gln Pro Arg Ser Ile Pro Ile His  
 545 550 555 560  
 Ser Cys Pro Lys Cys Gly Glu Val Leu Pro Asp Ile Asp Thr Leu Gln  
 565 570 575  
 Ile His Val Met Asp Cys Ile Ile

580

<210> 78  
 <211> 108  
 <212> PRT  
 <213> Mus musculus

<400> 78  
 Leu Lys Thr Gln Val Glu Gln Glu Val Glu His Leu Lys Ile Gln Val  
 1 5 10 15  
 Met Arg Leu Arg Ala Glu Lys Ala Asp Leu Leu Gly Ile Val Ser Glu  
 20 25 30  
 Leu Gln Leu Lys Leu Asn Ser Gly Gly Ser Ser Glu Asp Ser Phe Val  
 35 40 45  
 Glu Ile Arg Met Thr Glu Gly Glu Thr Glu Gly Ala Met Lys Glu Met  
 50 55 60  
 Lys Ser Cys Pro Thr Pro Thr Arg Thr Asp Pro Ile Ser Leu Ser Asn  
 65 70 75 80  
 Cys Thr Glu Asp Ala Arg Ser Cys Ala Glu Phe Glu Glu Leu Thr Val  
 85 90 95  
 Ser Gln Leu Leu Leu Cys Leu Arg Glu Gly Asn Gln  
 100 105

<210> 79  
 <211> 62  
 <212> PRT  
 <213> Mus musculus

<400> 79  
 His Leu Lys Ile Gln Val Met Arg Leu Arg Ala Glu Lys Ala Asp Leu  
 1 5 10 15  
 Leu Gly Ile Val Ser Glu Leu Gln Leu Lys Leu Asn Ser Gly Gly Ser  
 20 25 30  
 Ser Glu Asp Ser Phe Val Glu Ile Arg Met Thr Glu Gly Glu Thr Glu  
 35 40 45  
 Gly Ala Met Lys Glu Met Lys Asn Cys Pro Thr Pro Thr Arg  
 50 55 60

<210> 80  
 <211> 62  
 <212> PRT  
 <213> Mus musculus

&lt;400&gt; 80

His	Leu	Lys	Ile	Gln	Val	Met	Arg	Leu	Arg	Ala	Glu	Lys	Ala	Asp	Leu
1			5					10						15	
Leu	Gly	Ile	Val	Ser	Glu	Leu	Gln	Leu	Lys	Leu	Asn	Ser	Gly	Gly	Ser
		20					25						30		
Ser	Glu	Asp	Ser	Phe	Val	Glu	Ile	Arg	Met	Thr	Glu	Gly	Glu	Thr	Glu
	35					40					45				
Gly	Ala	Met	Lys	Glu	Met	Lys	Asn	Cys	Pro	Ala	Pro	Thr	Arg		
50						55					60				

&lt;210&gt; 81

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 81

His	Leu	Lys	Ile	Gln	Val	Met	Arg	Leu	Arg	Ala	Glu	Lys	Ala	Asp	Leu
1			5					10						15	
Leu	Gly	Ile	Val	Ser	Glu	Leu	Arg	Leu	Lys	Leu	Asn	Ser	Gly	Gly	Ser
		20					25						30		
Ser	Glu	Asp	Ser	Phe	Val	Glu	Ile	Arg	Met	Thr	Glu	Gly	Glu	Thr	Glu
	35					40					45				
Gly	Ala	Met	Lys	Glu	Met	Lys	Asn	Cys	Pro	Thr	Pro	Thr	Arg		
50						55					60				

&lt;210&gt; 82

&lt;211&gt; 102

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 82

Met	Leu	Ser	Arg	Leu	Gln	Glu	Leu	Arg	Lys	Glu	Glu	Glu	Thr	Leu	Leu
1			5					10						15	
Arg	Leu	Lys	Ala	Ala	Leu	His	Asp	Gln	Leu	Asn	Arg	Leu	Lys	Val	Glu
		20					25						30		
Glu	Leu	Ala	Leu	Gln	Ser	Met	Ile	Asn	Ser	Arg	Gly	Arg	Thr	Glu	Thr
	35					40					45				
Leu	Ser	Ser	Gln	Pro	Ala	Pro	Glu	Gln	Leu	Cys	Asp	Met	Ser	Leu	His
50						55					60				
Val	Asp	Asn	Glu	Val	Thr	Ile	Asn	Gln	Thr	Thr	Leu	Lys	Leu	Ser	Thr
65			70					75					80		
Arg	Ser	Pro	Met	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu
			85					90					95		

Glu Glu Glu Ser Asp Ser  
100

<210> 83  
<211> 56  
<212> PRT  
<213> Mus musculus

<400> 83  
Arg Cys Arg Gln Lys Arg Lys Leu Trp Val Ser Ser Leu Glu Lys Lys  
1 5 10 15  
Ala Glu Glu Leu Thr Ser Gln Asn Ile Gln Leu Ser Asn Glu Val Thr  
20 25 30  
Leu Leu Arg Asn Glu Val Ala Gln Leu Lys Gln Leu Leu Leu Ala His  
35 40 45

Lys Asp Cys Pro Val Thr Ala Gln  
50 55

<210> 84  
<211> 79  
<212> PRT  
<213> Mus musculus

<400> 84  
Arg Lys Trp Lys Gly Thr Leu Ser Arg Leu Gln Glu Leu Arg Lys Glu  
1 5 10 15  
Val Glu Thr Pro Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu Asn  
20 25 30  
Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser Arg  
35 40 45  
Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu Gln Leu Cys  
50 55 60  
Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn Gln Thr  
65 70 75

<210> 85  
<211> 413  
<212> PRT  
<213> Mus musculus

<400> 85  
Met Gly Asp Asp Arg Pro Phe Val Cys Ser Ala Pro Gly Cys Gly Gln

1                      5                      10                      15  
 Arg Phe Thr Asn Glu Asp His Leu Ala Val His Lys His Lys His Glu  
                     20                      25                      30  
 Met Thr Leu Lys Phe Gly Pro Ala Arg Thr Asp Ser Val Ile Ile Ala  
                     35                      40                      45  
 Asp Gln Thr Pro Thr Pro Thr Arg Phe Leu Lys Asn Cys Glu Glu Val  
                     50                      55                      60  
 Gly Leu Phe Asn Glu Leu Ala Ser Ser Phe Glu His Glu Phe Lys Lys  
 65                      70                      75                      80  
 Ala Ser Asp Asp Asp Glu Lys Lys Gly Ala Ala Gly Pro Leu Asp Met  
                     85                      90                      95  
 Ser Leu Pro Ser Thr Pro Asp Ile Lys Ile Lys Glu Glu Glu Pro Val  
                     100                      105                      110  
 Glu Val Asp Ser Ser Pro Pro Asp Ser Pro Ala Ser Ser Pro Cys Ser  
                     115                      120                      125  
 Pro Pro Leu Lys Glu Lys Glu Val Thr Thr Lys Pro Val Val Ile Ser  
                     130                      135                      140  
 Thr Pro Thr Pro Thr Ile Val Arg Pro Gly Ser Leu Pro Leu His Leu  
 145                      150                      155                      160  
 Gly Tyr Asp Pro Leu His Pro Thr Leu Pro Ser Pro Thr Ser Val Ile  
                     165                      170                      175  
 Thr Gln Ala Pro Pro Ser Asn Arg Gln Ile Gly Ser Pro Thr Gly Ser  
                     180                      185                      190  
 Leu Pro Leu Val Met His Leu Ala Asn Gly Gln Thr Met Pro Met Leu  
                     195                      200                      205  
 Pro Gly Pro Pro Val Gln Met Pro Ser Val Ile Ser Leu Ala Arg Pro  
                     210                      215                      220  
 Val Ser Met Val Pro Asn Ile Pro Gly Ile Pro Gly Pro Pro Val Asn  
 225                      230                      235                      240  
 Asn Ser Gly Ser Ile Ser Pro Ser Gly His Pro Met Pro Ser Glu Ala  
                     245                      250                      255  
 Lys Met Arg Leu Lys Ala Thr Leu Thr His Gln Val Ser Ser Ile Asn  
                     260                      265                      270  
 Gly Gly Cys Gly Met Val Val Gly Thr Ala Ser Thr Met Val Thr Ala  
                     275                      280                      285  
 Arg Pro Glu Gln Asn Gln Ile Leu Ile Gln His Pro Asp Ala Pro Ser  
                     290                      295                      300  
 Pro Ala Gln Pro Gln Val Ser Pro Ala Gln Pro Thr Pro Ser Thr Gly  
 305                      310                      315                      320  
 Gly Arg Arg Arg Arg Thr Val Asp Glu Asp Pro Asp Glu Arg Arg Gln  
                     325                      330                      335  
 Arg Phe Leu Glu Arg Asn Arg Ala Ala Ala Ser Arg Cys Arg Gln Lys  
                     340                      345                      350



Arg Lys Leu Trp Val Ser Ser Leu Glu Lys Lys Ala Glu Glu Leu Thr  
 355 360 365  
 Ser Gln Asn Ile Gln Leu Ser Asn Glu Val Thr Leu Leu Arg Asn Glu  
 370 375 380  
 Val Ala Gln Leu Lys Gln Leu Leu Leu Ala His Lys Asp Cys Pro Val  
 385 390 395 400  
 Thr Ala Leu Gln Lys Lys Thr Gln Gly Tyr Leu Gly Lys  
 405 410

<210> 86  
 <211> 58  
 <212> PRT  
 <213> Mus musculus

<400> 86  
 Arg Ala Ala Ala Ser Arg Cys Arg Gln Lys Arg Lys Leu Trp Val Ser  
 1 5 10 15  
 Ser Leu Glu Lys Lys Ala Glu Glu Leu Thr Ser Gln Asn Ile Gln Leu  
 20 25 30  
 Ser Asn Lys Val Thr Leu Leu Arg Asn Glu Val Ala Gln Leu Lys Gln  
 35 40 45  
 Leu Leu Leu Ala His Lys Asp Cys Pro Gly  
 50 55

<210> 87  
 <211> 1031  
 <212> PRT  
 <213> Mus musculus

<400> 87  
 Met Thr Asn Pro Lys Gly Lys Arg Arg Gly Thr Gln Ser Met Phe Ser  
 1 5 10 15  
 Arg Pro Phe Arg Lys His Gly Val Val Ser Leu Ala Thr Tyr Met Arg  
 20 25 30  
 Ile Tyr Lys Lys Arg Asp Ile Val Asp Ile Lys Gly Met Gly Thr Val  
 35 40 45  
 Gln Lys Gly Met Pro Cys Lys Cys Tyr His Gly Lys Thr Gly Arg Val  
 50 55 60  
 Tyr Asn Val Thr Gln His Ala Met Gly Ile Ile Val Asn Lys Gln Val  
 65 70 75 80  
 Lys Gly Lys Ile Leu Ala Lys Arg Ile Asn Val Gln Ile Glu His Ile  
 85 90 95  
 Lys His Ser Lys Ser Arg Asp Gly Phe Leu Lys Gln Gly Glu Ala Ala

100	105	110
His Phe Glu Tyr Leu Leu Tyr Pro Leu His Ser Ala Ser Ile Thr Gly		
115	120	125
Leu Ala Thr Cys Ile Arg Lys Pro Leu Ile Ala Thr Cys Ser Leu Asp		
130	135	140
Arg Ser Val Arg Ile Trp Asn Tyr Glu Ser Asn Ser Ser Cys Cys Lys		
145	150	155
Ala Leu Arg Glu Asp Leu Trp Leu Leu Leu Leu Phe His Ile Thr Ala		
165	170	175
Pro Ala Thr Leu Ser Ser Pro Pro Val Ile Phe Phe Cys Thr Leu Glu		
180	185	190
Leu Tyr Lys Glu Tyr Gln Glu Glu Ala Tyr Thr Val Ser Leu His Pro		
195	200	205
Ser Gly His Tyr Ile Val Val Gly Phe Ala Asp Lys Leu Arg Leu Met		
210	215	220
Asn Leu Leu Ile Asp Asp Ile Arg Ser Phe Lys Glu Tyr Ser Val Arg		
225	230	235
Gly Cys Lys Glu Cys Ala Phe Ser Asn Gly Gly His Leu Phe Ala Ala		
245	250	255
Val Asn Gly Asn Val Ile His Ile Phe Thr Thr Thr Asn Leu Glu Asn		
260	265	270
Ile Asn Asn Leu Lys Gly His Thr Gly Lys Arg Glu Thr Glu Cys Val		
275	280	285
Leu Lys Val Cys Ser Tyr Asn Ser Val Thr Ile Ser Pro Asp Gly Lys		
290	295	300
Val Ile Phe Ala Val Gly Ser Asp Gln Thr Leu Lys Glu Ile Ala Asp		
305	310	315
Ser Leu Ile Leu Arg Glu Ile Pro Ala Phe Asp Val Val Tyr Thr Ala		
325	330	335
Ile Thr Ile Ser His Ser Gly Arg Met Ile Phe Val Gly Thr Ser Val		
340	345	350
Gly Thr Ile Arg Ala Met Lys Tyr Pro Leu Pro Leu Gln Arg Glu Phe		
355	360	365
Asn Glu Tyr Gln Ala His Ala Gly Pro Val Thr Lys Ile Leu Leu Thr		
370	375	380
Phe Asp Asp Gln Phe Leu Leu Thr Val Ser Glu Asp Gly Cys Leu Phe		
385	390	395
Thr Trp Lys Val Phe Asp Lys Glu Gly Arg Gly Ile Lys Arg Glu Arg		
405	410	415
Glu Val Gly Phe Ala Glu Glu Val Leu Val Thr Lys Thr Asp Met Glu		
420	425	430
Glu Lys Ile Leu His Arg Asn Leu Ala Thr Glu Phe Arg Arg Pro Met		
435	440	445

Ser Lys His Leu Glu Cys Pro Thr Ser Glu Thr Gly Pro Leu Thr Thr  
 450 455 460  
 Ile Asn Ile Ser Pro Val Gln Pro Arg Pro Trp Gly His Val Leu Thr  
 465 470 475 480  
 Cys Arg Thr Pro Val Ser Thr Asp Ser Ala Val Ala Ser Thr Arg Gly  
 485 490 495  
 Ser Val Asp Ser Ala Val Lys Pro Asp Arg Ser Thr Pro Thr Gln Glu  
 500 505 510  
 Val Arg Ile Pro Pro Lys Pro Ala Ser Gly Val His Thr Arg Cys Gln  
 515 520 525  
 Leu Gly Val Gln Lys Gln Met Glu His Val Ser Val Val Met Glu Val  
 530 535 540  
 Arg Glu Thr Asn Arg Gln Arg Gln Gly Gly Ala Arg Asn Val Ile  
 545 550 555 560  
 Lys Ala Gln Ile Met Leu Glu Leu Lys Thr Arg Val Glu Glu Leu Lys  
 565 570 575  
 Met Glu Asn Glu Tyr Gln Leu Arg Leu Lys Asp Met Asn Tyr Ser Glu  
 580 585 590  
 Lys Ile Lys Glu Leu Thr Asp Lys Phe Ile Gln Glu Met Glu Ser Leu  
 595 600 605  
 Lys Thr Lys Asn Gln Val Leu Lys Thr Glu Lys Glu Lys Gln Asp Ile  
 610 615 620  
 Ser His Arg Glu His Leu Glu Asp Leu Ile Glu Arg Gln Ser Arg Glu  
 625 630 635 640  
 Leu Gln Asp Leu Glu Cys Cys Asn Asn Gln Lys Leu Leu Leu Glu Tyr  
 645 650 655  
 Glu Lys Tyr Gln Glu Leu Gln Leu Lys Ser Gln Arg Met Gln Glu Glu  
 660 665 670  
 Tyr Glu Lys Gln Leu Arg Asp Asn Asp Glu Thr Lys Ser Gln Ala Leu  
 675 680 685  
 Glu Glu Leu Thr Glu Phe Tyr Glu Ala Lys Leu Gln Glu Lys Thr Gly  
 690 695 700  
 Leu Leu Glu Glu Ala Leu Ser Thr Ala Ala Ser Pro Pro Leu Pro Ser  
 705 710 715 720  
 Ala His Val Leu Ser Pro Phe Pro Thr Leu Ser Gln Ala Gln Glu Asp  
 725 730 735  
 Val Arg Gln Gln Leu Arg Glu Phe Glu Glu Thr Lys Lys Gln Ile Glu  
 740 745 750  
 Glu Asp Glu Asp Arg Glu Ile Gln Asp Ile Lys Thr Lys Tyr Glu Arg  
 755 760 765  
 Lys Leu Arg Asp Glu Lys Glu Ser Asn Leu Arg Leu Lys Gly Glu Thr  
 770 775 780  
 Gly Ile Met Arg Lys Lys Phe Ser Ser Leu Gln Lys Glu Ile Glu Glu

785                      790                      795                      800  
 Arg Thr Asn Asp Ile Glu Leu Leu Lys Thr Glu Gln Val Lys Leu Gln  
                                  805                      810                      815  
 Gly Val Ile Arg Ser Leu Glu Lys Asp Ile Gln Gly Leu Lys Arg Glu  
                                  820                      825                      830  
 Ile Gln Glu Arg Asp Glu Thr Ile Gln Asp Lys Glu Lys Arg Ile Tyr  
                                  835                      840                      845  
 Asp Leu Lys Lys Lys Asn Gln Glu Leu Glu Lys Phe Lys Phe Val Leu  
                                  850                      855                      860  
 Asp Tyr Lys Ile Lys Glu Leu Lys Lys Gln Ile Glu Pro Arg Glu Asn  
 865                      870                      875                      880  
 Glu Ile Lys Val Met Lys Glu Gln Ile Gln Glu Asn Pro Val Asn His  
                                  885                      890                      895  
 Trp Leu Arg Ser Arg Glu Arg Glu Cys Val Thr Gln Pro Arg His Leu  
                                  900                      905                      910  
 Arg Leu Pro Ala Pro Gln Asn Lys Leu Asp Gly Asn Leu Ala Cys Gly  
                                  915                      920                      925  
 Pro Val Arg Gly Arg Leu Cys His Ser Asp Ala Thr Ser Gly Ala Leu  
                                  930                      935                      940  
 Asn Val Gln Gly Ile Leu Cys Leu Phe His Leu Pro Phe Pro Cys Asp  
 945                      950                      955                      960  
 Arg Thr Pro Ser Phe Phe Pro Gly Glu Ala Cys Leu Leu Val Phe Ser  
                                  965                      970                      975  
 Leu Leu Ile Asp Val Leu Cys Arg Pro Thr Ser Asp Val Pro Val Ala  
                                  980                      985                      990  
 Ala Gly Asp Phe Leu Pro Cys Gly Gly Pro Leu His Leu Pro Pro Glu  
                                  995                      1000                      1005  
 Leu His His Leu Thr Val Ile Arg Thr Asn Ala Ser Pro Gln Lys  
                                  1010                      1015                      1020  
 Cys Tyr Pro Pro Thr Ser Pro Leu  
                                  1025                      1030

<210> 88  
 <211> 70  
 <212> PRT  
 <213> Mus musculus

<400> 88  
 Lys Lys Phe Ser Ser Leu Gln Lys Glu Ile Glu Glu Arg Thr Asn Asp  
 1                      5                      10                      15  
 Ile Glu Leu Leu Lys Ser Glu Arg Met Lys Leu Gln Gly Ile Ile Arg  
                                  20                      25                      30  
 Ser Leu Glu Lys Asp Ile Gln Gly Leu Lys Arg Glu Ile Gln Glu Arg

35                      40                      45  
 Asp Glu Thr Ile Gln Asp Met Glu Lys Leu Asp Tyr Lys Asp Asp Tyr  
       50                      55                      60  
 Asn Ser Asn Leu Glu Ile  
 65                      70

<210>	89
<211>	56
<212>	PRT
<213>	Mus musculus

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<400> 89
Lys Lys Phe Ser Ser Leu Gln Lys Glu Ile Glu Glu Arg Thr Asn Asp
1          5          10          15
Ile Glu Leu Leu Lys Ser Glu Arg Met Lys Leu Gln Gly Ile Ile Arg
          20          25          30
Ser Leu Glu Lys Asp Ile Gln Gly Leu Lys Arg Glu Ile Gln Glu Arg
          35          40          45
Asp Glu Thr Ile Gln Asp Met Glu
          50          55

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<210>	90
<211>	217
<212>	PRT
<213>	Mus musculus

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<400> 90
Met Glu Val Glu Asn Glu Ala His Cys Cys Pro Gly Ser Ser Ser Gly
1          5          10          15
Gly Ser Arg Glu Tyr Lys Val Val Met Leu Gly Ala Gly Gly Val Gly
20          25          30
Lys Ser Ala Val Thr Met Gln Phe Ile Ser His Gln Phe Pro Asp Tyr
35          40          45
His Asp Pro Thr Ile Glu Asp Ala Tyr Lys Thr Gln Val Arg Ile Asp
50          55          60
Asn Glu Pro Ala Tyr Leu Asp Ile Leu Asp Thr Ala Gly Gln Ala Glu
65          70          75          80
Phe Thr Ala Met Arg Glu Gln Tyr Met Arg Gly Gly Glu Gly Phe Ile
85          90          95
Ile Cys Tyr Ser Val Thr Asp Arg Gln Ser Phe Gln Glu Ala Ala Lys
100          105          110
Phe Lys Glu Leu Ile Phe Gln Val Arg His Thr Tyr Glu Ile Pro Leu
115          120          125

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Val Leu Val Gly Asn Lys Ile Asp Leu Glu Gln Phe Arg Gln Val Ser  
 130 135 140  
 Thr Glu Glu Gly Met Asn Leu Ala Arg Asp Tyr Asn Cys Ala Phe Phe  
 145 150 155 160  
 Glu Thr Ser Ala Ala Leu Arg Phe Gly Ile Asp Asp Ala Phe Gln Gly  
 165 170 175  
 Leu Val Arg Glu Ile Arg Arg Lys Glu Ser Met Leu Ser Leu Val Glu  
 180 185 190  
 Arg Lys Leu Lys Arg Lys Asp Ser Leu Trp Lys Lys Ile Lys Ala Ser  
 195 200 205  
 Leu Lys Lys Lys Arg Glu Asn Met Leu  
 210 215

<210> 91  
 <211> 50  
 <212> PRT  
 <213> Mus musculus

<400> 91  
 Ala Ala Leu Arg Phe Gly Ile Asp Asp Ala Leu Gln Gly Leu Val Arg  
 1 5 10 15  
 Glu Ile Arg Arg Lys Glu Ser Met Leu Pro Leu Val Glu Arg Lys Leu  
 20 25 30  
 Lys Arg Lys Asp Ser Leu Trp Lys Lys Ile Lys Ala Ser Leu Lys Lys  
 35 40 45  
 Lys Arg  
 50

<210> 92  
 <211> 140  
 <212> PRT  
 <213> Mus musculus

<400> 92  
 Gly Ala Thr Val Ile Thr Asn Leu Leu Ser Ala Ile Pro Tyr Ile Gly  
 1 5 10 15  
 Thr Thr Leu Val Glu Trp Ile Trp Gly Gly Phe Ser Val Asp Lys Ala  
 20 25 30  
 Thr Leu Thr Arg Phe Phe Ala Phe His Phe Ile Leu Pro Phe Ile Ile  
 35 40 45  
 Ala Ala Leu Ala Ile Val His Leu Leu Phe Leu His Glu Thr Gly Ser  
 50 55 60  
 Asn Asn Pro Thr Gly Leu Asn Ser Asp Ala Asp Lys Ile Pro Phe His

65					70					75				80	
Pro	Tyr	Tyr	Thr	Ile	Lys	Asp	Ile	Leu	Gly	Ile	Leu	Ile	Met	Phe	Leu
				85					90					95	
Ile	Leu	Met	Thr	Leu	Val	Leu	Phe	Phe	Pro	Asp	Met	Leu	Gly	Asp	Pro
			100					105					110		
Asp	Asn	Tyr	Met	Pro	Ala	Asn	Pro	Leu	Asn	Thr	Pro	Pro	His	Ile	Lys
		115					120					125			
Pro	Glu	Trp	Tyr	Phe	Leu	Phe	Ala	Tyr	Ala	Ile	Leu				
	130					135					140				

<210> 93  
 <211> 41  
 <212> PRT  
 <213> Mus musculus

<400> 93
Ser Asp Ala Asp Lys Ile Pro Phe His Pro Tyr Tyr Thr Ile Lys Asn
1 5 10 15
Ile Leu Gly Ile Leu Ile Ile Phe Leu Ile Leu Ile Thr Leu Val Leu
20 25 30
Phe Phe Pro Asp Ile Leu Gly Asp Pro
35 40

<210> 94  
 <211> 311  
 <212> PRT  
 <213> Mus musculus

<400> 94
Met Lys Ala Leu Trp Ala Val Leu Leu Val Thr Leu Leu Thr Gly Cys
1 5 10 15
Leu Ala Glu Gly Glu Pro Glu Val Thr Asp Gln Leu Glu Trp Gln Ser
20 25 30
Asn Gln Pro Trp Glu Gln Ala Leu Asn Arg Phe Trp Asp Tyr Leu Arg
35 40 45
Trp Val Gln Thr Leu Ser Asp Gln Val Gln Glu Glu Leu Gln Ser Ser
50 55 60
Gln Val Thr Gln Glu Leu Thr Ala Leu Met Glu Asp Thr Met Thr Glu
65 70 75 80
Val Lys Ala Tyr Lys Lys Glu Leu Glu Glu Gln Leu Gly Pro Val Ala
85 90 95
Glu Glu Thr Arg Ala Arg Leu Gly Lys Glu Val Gln Ala Ala Gln Ala
100 105 110

Arg Leu Gly Ala Asp Met Glu Asp Leu Arg Asn Arg Leu Gly Gln Tyr  
           115                          120                          125  
 Arg Asn Glu Val His Thr Met Leu Gly Gln Ser Thr Glu Glu Ile Arg  
           130                          135                          140  
 Ala Arg Leu Ser Thr His Leu Arg Lys Met Arg Lys Arg Leu Met Arg  
 145                          150                          155                          160  
 Asp Ala Asp Asp Leu Gln Lys Arg Leu Ala Val Tyr Lys Ala Gly Ala  
                           165                          170                          175  
 Arg Glu Gly Ala Glu Arg Gly Val Ser Ala Ile Arg Glu Arg Leu Gly  
                           180                          185                          190  
 Pro Leu Val Glu Gln Gly Arg Gln Arg Thr Ala Asn Leu Gly Ala Gly  
           195                          200                          205  
 Ala Ala Gln Pro Leu Arg Asp Arg Ala Gln Ala Phe Gly Asp Arg Ile  
           210                          215                          220  
 Arg Gly Arg Leu Glu Glu Val Gly Asn Gln Ala Arg Asp Arg Leu Glu  
 225                          230                          235                          240  
 Glu Val Arg Glu His Met Glu Glu Val Arg Ser Lys Met Glu Glu Gln  
                           245                          250                          255  
 Thr Gln Gln Ile Arg Leu Gln Ala Glu Ile Phe Gln Ala Arg Leu Lys  
                           260                          265                          270  
 Gly Trp Phe Glu Pro Ile Val Glu Asp Met His Arg Gln Trp Ala Asn  
           275                          280                          285  
 Leu Met Glu Lys Ile Gln Ala Ser Val Ala Thr Asn Pro Ile Ile Thr  
           290                          295                          300  
 Pro Val Ala Gln Glu Asn Gln  
 305                          310

<210> 95  
 <211> 31  
 <212> PRT  
 <213> Mus musculus

<400> 95  
 Thr Glu Val Lys Ala Tyr Lys Lys Glu Leu Glu Glu Gln Leu Gly Pro  
 1                          5                          10                          15  
 Val Ala Glu Glu Thr Arg Ala Arg Leu Gly Lys Glu Glu Gln Gly  
                           20                          25                          30

<210> 96  
 <211> 695  
 <212> PRT  
 <213> Mus musculus



&lt;400&gt; 96

Met Leu Pro Ser Leu Ala Leu Leu Leu Leu Ala Ala Trp Thr Val Arg  
 1 5 10 15  
 Ala Leu Glu Val Pro Thr Asp Gly Asn Ala Gly Leu Leu Ala Glu Pro  
 20 25 30  
 Gln Ile Ala Met Phe Cys Gly Lys Leu Asn Met His Met Asn Val Gln  
 35 40 45  
 Asn Gly Lys Trp Glu Ser Asp Pro Ser Gly Thr Lys Thr Cys Ile Gly  
 50 55 60  
 Thr Lys Glu Gly Ile Leu Gln Tyr Cys Gln Glu Val Tyr Pro Glu Leu  
 65 70 75 80  
 Gln Ile Thr Asn Val Val Glu Ala Asn Gln Pro Val Thr Ile Gln Asn  
 85 90 95  
 Trp Cys Lys Arg Gly Arg Lys Gln Cys Lys Thr His Thr His Ile Val  
 100 105 110  
 Ile Pro Tyr Arg Cys Leu Val Gly Glu Phe Val Ser Asp Ala Leu Leu  
 115 120 125  
 Val Pro Asp Lys Cys Lys Phe Leu His Gln Glu Arg Met Asp Val Cys  
 130 135 140  
 Glu Thr His Leu His Trp His Thr Val Ala Lys Glu Thr Cys Ser Glu  
 145 150 155 160  
 Lys Ser Thr Asn Leu His Asp Tyr Gly Met Leu Leu Pro Cys Gly Ile  
 165 170 175  
 Asp Lys Phe Arg Gly Val Glu Phe Val Cys Cys Pro Leu Ala Glu Glu  
 180 185 190  
 Ser Asp Ser Val Asp Ser Ala Asp Ala Glu Glu Asp Asp Ser Asp Val  
 195 200 205  
 Trp Trp Val Gly Ala Asp Thr Asp Tyr Ala Asp Gly Gly Glu Asp Lys  
 210 215 220  
 Val Val Glu Val Ala Glu Glu Glu Glu Val Ala Asp Val Glu Glu Glu  
 225 230 235 240  
 Glu Ala Asp Asp Asp Glu Asp Val Glu Asp Gly Asp Glu Val Glu Glu  
 245 250 255  
 Glu Ala Glu Glu Pro Tyr Glu Glu Ala Thr Glu Arg Thr Thr Ser Thr  
 260 265 270  
 Ala Thr Thr Thr Thr Thr Thr Thr Glu Ser Val Glu Glu Val Val Arg  
 275 280 285  
 Val Pro Thr Thr Ala Ala Ser Thr Pro Asp Ala Val Asp Lys Tyr Leu  
 290 295 300  
 Glu Thr Pro Gly Asp Glu Asn Glu His Ala His Phe Gln Lys Ala Lys  
 305 310 315 320  
 Glu Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val Met Arg  
 325 330 335

Glu Trp Glu Glu Ala Glu Arg Gln Ala Lys Asn Leu Pro Lys Ala Asp  
 340 345 350  
 Lys Lys Ala Val Ile Gln His Phe Gln Glu Lys Val Glu Ser Leu Glu  
 355 360 365  
 Gln Glu Ala Ala Asn Glu Arg Gln Gln Leu Val Glu Thr His Met Ala  
 370 375 380  
 Arg Val Glu Ala Met Leu Asn Asp Arg Arg Arg Leu Asp Leu Glu Asn  
 385 390 395 400  
 Tyr Ile Ile Ala Leu Gln Ala Val Pro Pro Arg Pro His His Val Phe  
 405 410 415  
 Asn Met Leu Lys Lys Tyr Val Arg Ala Glu Gln Lys Asp Arg Gln His  
 420 425 430  
 Thr Leu Lys His Phe Glu His Val Arg Met Val Asp Pro Lys Lys Ala  
 435 440 445  
 Thr Gln Ile Arg Ser Gln Val Met Thr His Leu Arg Val Ile Tyr Glu  
 450 455 460  
 Arg Met Asn Gln Ser Leu Ser Leu Leu Tyr Asn Val Pro Ala Val Ala  
 465 470 475 480  
 Glu Glu Ile Gln Asp Glu Val Asp Glu Leu Leu Gln Lys Glu Gln Asn  
 485 490 495  
 Tyr Ser Asp Asp Val Leu Ala Asn Met Ile Ser Glu Pro Arg Ile Ser  
 500 505 510  
 Tyr Gly Asn Asp Ala Leu Met Pro Ser Leu Thr Glu Thr Lys Thr Thr  
 515 520 525  
 Val Glu Leu Leu Pro Val Asn Gly Glu Phe Ser Leu Asp Asp Leu Gln  
 530 535 540  
 Pro Trp His Pro Phe Gly Val Asp Ser Val Pro Ala Asn Thr Glu Asn  
 545 550 555 560  
 Glu Val Glu Pro Val Asp Ala Arg Pro Ala Ala Asp Arg Gly Leu Thr  
 565 570 575  
 Thr Arg Pro Gly Ser Gly Leu Thr Asn Ile Lys Thr Glu Glu Ile Ser  
 580 585 590  
 Glu Val Lys Met Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val  
 595 600 605  
 Arg His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys  
 610 615 620  
 Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val  
 625 630 635 640  
 Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln Tyr Thr Ser Ile  
 645 650 655  
 His His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu Arg  
 660 665 670  
 His Leu Ser Lys Met Gln Gln Asn Gly Tyr Glu Asn Pro Thr Tyr Lys

675	680	685
Phe Phe Glu Gln Met Gln Asn		
690	695	

<210> 97  
 <211> 68  
 <212> PRT  
 <213> Mus musculus

<400> 97  
 Ser Glu Pro Arg Ile Ser Tyr Gly Asn Asp Ala Leu Met Pro Ser Leu  
 1 5 10 15  
 Thr Glu Thr Lys Thr Thr Val Glu Leu Leu Pro Val Asn Gly Glu Phe  
 20 25 30  
 Ser Leu Asp Asp Leu Gln Pro Trp His Pro Ser Gly Val Asp Ser Val  
 35 40 45  
 Pro Ala Asn Thr Glu Asn Glu Val Glu Pro Val Asp Ala Arg Pro Ala  
 50 55 60  
 Ala Asp Arg Gly  
 65

<210> 98  
 <211> 983  
 <212> PRT  
 <213> Mus musculus

<400> 98  
 Met Lys Ala Gln Gln Ala Met Asp Lys Tyr Glu Gly Asp Ser Lys Ala  
 1 5 10 15  
 Arg Glu Thr Arg Ser Thr Ala Ala Met Val Gly Trp Arg Ser Asp Arg  
 20 25 30  
 Gly Leu Val Thr Cys Thr Arg Leu Arg Met Gln Asn Gly Ser Ser Leu  
 35 40 45  
 Lys Ala Phe Arg Ser Arg Val Gly Lys Trp Gly Glu Pro Ser Ser Arg  
 50 55 60  
 Ser His Lys Val Leu Lys Thr Ser Glu Thr Ser Gln Asp Ile Gln Lys  
 65 70 75 80  
 Val Ser Arg Glu Glu Ser Pro Ser Gln Leu Thr Ser Ala Val Pro Ala  
 85 90 95  
 Gln Arg Asn Cys Gln Pro Gly Ser Ala Ala Val Ile Asn Met Leu Arg  
 100 105 110  
 Gly Gly Gly Gly Val Arg Ser Pro Trp Thr Asp His His Ile Arg Gln  
 115 120 125

Arg Thr Asp His His Ile Arg Gln Pro Leu Phe Pro Ser Arg Arg Ser  
 130 135 140  
 Pro Gln Glu Asn Glu Asp Asp Asp Asp Tyr Gln Met Phe Val Pro  
 145 150 155 160  
 Ser Phe Ser Ser Ser Asp Leu Asn Ser Thr Arg Leu Cys Glu Glu Asn  
 165 170 175  
 Ala Ser Ser Arg Pro Cys Ser Trp His Leu Gly Leu Ile Glu Pro Thr  
 180 185 190  
 Glu Ile Ser Ser Ser Gly His Arg Ile Val Arg Arg Ala Ser Ser Ala  
 195 200 205  
 Gly Glu Ser Asn Ala Cys Pro Pro Glu Val Arg Ile Arg Asp Cys Asp  
 210 215 220  
 Asp Ser Gln Tyr Cys Pro Gly Arg Gln Leu Gln Asn Ser Pro Arg Pro  
 225 230 235 240  
 Gly Gly Glu Arg Gly Met Thr Pro Tyr Gly Ser Ser Val Glu Leu Thr  
 245 250 255  
 Ile Asp Asp Ile Asp His Val Tyr Asp Asn Ile Ser Phe Glu Asp Leu  
 260 265 270  
 Lys Leu Met Val Ala Lys Arg Asp Glu Thr Glu Cys Ser Phe Ser Lys  
 275 280 285  
 Pro Ser Arg Asp Ser Val Arg Pro Lys Ser Thr Pro Glu Leu Ala Phe  
 290 295 300  
 Ser Lys Arg Gln Val Ser His Ser Thr Ser Ser Leu His Ser Arg Lys  
 305 310 315 320  
 Glu Ala Gly Leu Gly Gly Gln Glu Ala Ser Thr Gln Ser Val His Glu  
 325 330 335  
 His Gln Glu Val Glu Glu Asn Ile Tyr Asp Thr Ile Gly Leu Pro Asp  
 340 345 350  
 Pro Pro Ser Met Asn Leu Asn His Ser Ser Leu His Gln Pro Lys Arg  
 355 360 365  
 Ser Thr Phe Leu Gly Leu Glu Ala Asp Phe Ala Cys Cys Asp Ser Leu  
 370 375 380  
 Arg Pro Phe Val Ser Gln Asp Ser Leu Gln Phe Ser Glu Asp Asp Ile  
 385 390 395 400  
 Ser Tyr His Gln Gly Pro Ser Asp Thr Glu Tyr Leu Ser Leu Leu Tyr  
 405 410 415  
 Asp Ser Pro Arg Cys Asn Leu Pro Ile Ala Asp Lys Ala Leu Ser Asp  
 420 425 430  
 Lys Leu Ser Glu Glu Val Asp Glu Ile Trp Asn Asp Leu Glu Asn Tyr  
 435 440 445  
 Ile Lys Lys Asn Glu Asp Lys Ser Arg Asp Arg Leu Leu Ala Ala Phe  
 450 455 460  
 Pro Val Ser Lys Asp Asp Ala Pro Glu Arg Leu Tyr Val Asp Ser Thr

465		470		475		480
His Glu Leu Gly Arg Asp Thr Gly His Ala Thr Ser Met Leu Ala Leu						
	485		490		495	
Pro Thr Ser Gln Thr Phe Leu Leu Pro Gly Lys Ser Arg Val Val Arg						
	500		505		510	
Ala Ser Arg Ala Asn Cys Ser Leu Asp Asn Asp Ile Ile Ser Thr Glu						
	515		520		525	
Gly Ser Phe Leu Ser Leu Asn Gln Leu Ser Leu Ala Ser Asp Gly Pro						
	530		535		540	
Pro Val Asp Asn Pro Tyr Asp Leu Ala Asn Cys Ser Leu Pro Gln Thr						
545		550		555		560
Asp Pro Glu Asn Pro Asp Pro Gly Met Glu Val Thr Asp Lys Thr Lys						
	565		570		575	
Ser Arg Val Phe Met Met Ala Arg Gln Tyr Ser Gln Lys Ile Lys Lys						
	580		585		590	
Val Asn Gln Ile Leu Lys Val Lys Ser Pro Glu Leu Glu Gln Pro Pro						
	595		600		605	
Ser Ser Gln His Arg Pro Ser His Lys Asp Leu Val Ala Ile Leu Glu						
	610		615		620	
Glu Lys Arg Gln Gly Gly Pro Ala Ile Gly Ala Arg Ile Ala Glu Tyr						
625		630		635		640
Ser Gln Leu Tyr Asp Gln Ile Val Phe Arg Glu Thr Pro Leu Lys Ala						
	645		650		655	
Gln Lys Asp Gly Trp Ala Ser Pro Gln Gly Pro Thr Leu His Arg Pro						
	660		665		670	
Val Ser Pro Pro Gln Ala Gln Gly Ala Gly Glu Asp Trp Leu Trp His						
	675		680		685	
Ser Pro Tyr Ser Asn Gly Glu Leu Ala Asp Phe Ser Pro Gln Thr Glu						
	690		695		700	
Gln Asp Ser Lys Ser Lys Tyr Pro Ile Thr Leu Glu Ser Thr Thr Lys						
705		710		715		720
Ile Arg Pro Arg Gln Leu Ser Gly Ala Cys Ser Val Pro Ser Leu Gln						
	725		730		735	
Val Ser Asp Pro Leu Leu Gly Ser Val Gln Gln Arg Cys Ser Val Val						
	740		745		750	
Val Ser Gln Pro His Lys Glu Asn Ser Gly Gln Ser Pro Leu Tyr Asn						
	755		760		765	
Ser Leu Gly Arg Lys Ala Ile Ser Ala Lys Pro Gln Pro Tyr Ser Arg						
	770		775		780	
Pro Gln Ser Ser Ser Ser Ile Leu Ile Asn Lys Ser Leu Asp Ser Ile						
785		790		795		800
Asn Tyr Pro Ser Glu Thr Glu Thr Lys Gln Leu Leu Ser Ser Gln Lys						
	805		810		815	

Ser Pro Arg Gly Ala Ser Gln Gln Asp Leu Pro Ser Gly Leu Ala Asn  
                   820                  825                  830  
 Ser Cys Gln Gln Asp Arg Gly Lys Arg Ser Asp Leu Thr Leu Gln Asp  
                   835                  840                  845  
 Ser Gln Lys Val Leu Val Val Asn Arg Asn Leu Pro Leu Ser Ala Gln  
                   850                  855                  860  
 Ile Ala Thr Gln Asn Tyr Phe Cys Asn Phe Lys Asp Pro Glu Gly Asp  
 865                  870                  875                  880  
 Glu Asp Asp Tyr Val Glu Ile Lys Ser Glu Glu Asp Glu Val Arg Leu  
                   885                  890                  895  
 Asp Leu Ser Pro Arg Arg Gly Arg Lys Ser Asp Pro Gln Thr Pro Asp  
                   900                  905                  910  
 Pro Asp Cys Ser Asp Ser Ile Cys Ser His Ser Thr Pro Tyr Ser Leu  
                   915                  920                  925  
 Lys Glu Pro Val Ser Gly Arg Leu Gly Leu Pro Pro Tyr Leu Thr Ala  
                   930                  935                  940  
 Cys Lys Asp Ser Asp Lys Leu Asn Asp Tyr Leu Trp Arg Gly Pro Ser  
 945                  950                  955                  960  
 Pro Asn Gln Gln Asn Ile Val Gln Ser Leu Arg Glu Lys Phe Gln Cys  
                   965                  970                  975  
 Leu Ser Ser Ser Ser Phe Ala  
                   980

<210> 99  
 <211> 46  
 <212> PRT  
 <213> Mus musculus

<400> 99  
 Phe Met Met Ala Arg Gln Tyr Ser Gln Lys Ile Lys Lys Val Asn Gln  
 1                  5                  10                  15  
 Ile Leu Lys Val Lys Ser Pro Glu Leu Glu Gln Pro Pro Ser Ser Gln  
                   20                  25                  30  
 His Arg Pro Ser His Lys Asp Leu Ala Ala Ile Leu Glu Lys  
                   35                  40                  45

<210> 100  
 <211> 412  
 <212> PRT  
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<400> 100  
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Pro Gly Ala Ser Glu Asn Glu Leu Lys Lys Ala Tyr Arg Lys Leu Ala			
20	25	30	
Lys Glu Tyr His Pro Asp Lys Asn Pro Asn Ala Gly Asp Lys Phe Lys			
35	40	45	
Glu Ile Ser Phe Ala Tyr Glu Val Leu Ser Asn Pro Glu Lys Arg Glu			
50	55	60	
Leu Tyr Asp Arg Tyr Gly Glu Gln Gly Leu Arg Glu Gly Ser Gly Gly			
65	70	75	80
Gly Gly Gly Met Asp Asp Ile Phe Ser His Ile Phe Gly Gly Gly Leu			
85	90	95	
Phe Gly Phe Met Gly Asn Gln Ser Arg Ser Arg Asn Gly Arg Arg Arg			
100	105	110	
Gly Glu Asp Met Met His Pro Leu Lys Val Ser Leu Glu Asp Leu Tyr			
115	120	125	
Asn Gly Lys Thr Thr Lys Leu Gln Leu Ser Lys Asn Val Leu Cys Ser			
130	135	140	
Ala Cys Ser Gly Gln Gly Gly Lys Ser Gly Ala Val Gln Lys Cys Ser			
145	150	155	160
Ala Cys Arg Gly Arg Gly Val Arg Ile Met Ile Arg Gln Leu Ala Pro			
165	170	175	
Gly Met Val Gln Gln Met Gln Ser Val Cys Ser Asp Cys Asn Gly Glu			
180	185	190	
Gly Glu Val Ile Asn Glu Lys Asp Arg Cys Lys Lys Cys Glu Gly Lys			
195	200	205	
Lys Val Ile Lys Glu Val Lys Ile Leu Glu Val His Val Asp Lys Gly			
210	215	220	
Met Lys His Gly Gln Arg Ile Thr Phe Thr Gly Glu Ala Asp Gln Ala			
225	230	235	240
Pro Gly Val Glu Pro Gly Asp Ile Val Leu Leu Leu Gln Glu Lys Glu			
245	250	255	
His Glu Val Phe Gln Arg Asp Gly Asn Asp Leu His Met Thr Tyr Lys			
260	265	270	
Ile Gly Leu Val Glu Ala Leu Cys Gly Phe Gln Phe Thr Phe Lys His			
275	280	285	
Leu Asp Ala Arg Gln Ile Val Val Lys Tyr Pro Pro Gly Lys Val Ile			
290	295	300	
Glu Pro Gly Cys Val Arg Val Val Arg Gly Glu Gly Met Pro Gln Tyr			
305	310	315	320
Arg Asn Pro Phe Glu Lys Gly Asp Leu Tyr Ile Lys Phe Asp Val Gln			
325	330	335	
Phe Pro Glu Asn Asn Trp Ile Asn Pro Asp Lys Leu Ser Glu Leu Glu			
340	345	350	

Asp Leu Leu Pro Ser Arg Pro Glu Val Pro Asn Val Ile Gly Glu Thr  
           355                          360                          365  
 Glu Glu Val Glu Leu Gln Glu Phe Asp Ser Thr Arg Gly Ser Gly Gly  
       370                          375                          380  
 Gly Gln Arg Arg Glu Ala Tyr Asn Asp Ser Ser Asp Glu Glu Ser Ser  
 385                          390                          395                          400  
 Ser His His Gly Pro Gly Val Gln Cys Ala His Gln  
                           405                          410

<210> 101  
 <211> 25  
 <212> PRT  
 <213> Mus musculus

<400> 101  
 Leu Ser Asn Pro Glu Lys Arg Glu Leu Tyr Asp Arg Tyr Gly Glu Gln  
 1                          5                          10                          15  
 Gly Leu Arg Glu Gly Ser Gly Gly Gly  
                           20                          25

<210> 102  
 <211> 29  
 <212> PRT  
 <213> Mus musculus

<400> 102  
 Ala His Ser Phe Ser Val Phe Arg Leu Pro Ser Trp Trp Ile Val Gly  
 1                          5                          10                          15  
 Trp Trp Ser Lys Gly Gly Val Gly Ser Asp Leu Glu Met  
                           20                          25

<210> 103  
 <211> 35  
 <212> PRT  
 <213> Mus musculus

<400> 103  
 Pro Asp Ile Lys His Pro Gly Asn Leu Glu His Tyr Ile Lys Arg Val  
 1                          5                          10                          15  
 Asn Leu Arg Ile Ile Ala Ile Glu Glu Gly Glu Lys Ser Gln Leu Lys  
                           20                          25                          30  
 Gly Pro Lys  
           35



<210> 104  
 <211> 573  
 <212> DNA  
 <213> Mus musculus

<400> 104  
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 ctagcagaca gactgaagca tctagcagac agactgaaac atctaacaga cagattgggg 180  
 catctaacag acagatcatg gcatctaaca gacagattgg ggcattctaac agacagattg 240  
 aggcatctaa cagacagatt ggggcatcta acagacagac agaggtatct agcagacaga 300  
 ttgaggcatc taacagacag attggggcat ctaacagaca aactgaggca tctaacagac 360  
 agattggggc atctaacaga cagactgagg catctaacag acagattggg gcatctaaca 420  
 gacagactga tgcattctaac agacagactg atgcatctaa cagacagact gaggcattcta 480  
 gcagacagac agaggcatct agcagacaga cagaggcatc tagcagacag actgaggcat 540  
 ctagcagaca aattgaggca tcagctgcag ctg 573

<210> 105  
 <211> 213  
 <212> DNA  
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 cagattgggc atctaacaga cagactgagg catctaacag acagattggg gcatctaaca 120  
 gacagactga tgcattctaac agacagactg atgcatctaa cagacagact gaggcattcta 180  
 gcagacagac agaggcatct agcagacaga ctg 213

<210> 106  
 <211> 165  
 <212> DNA  
 <213> Mus musculus

<400> 106  
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 acagacagat tggggcatct aacagacaga ctgatgcatc taacagacag actgatgcat 120  
 ctaacagaca gactgaggca tctagcagac agacagaggc acgac 165

<210> 107  
 <211> 135  
 <212> DNA  
 <213> Mus musculus

&lt;400&gt; 107

gacagattgg ggcattctaac agacagactg aggcattctaa cagacagatt ggggcattcta	60
acagacagac tgatgcatct aacagacaga ctgatgcac taacagacag actgaggcat	120
ctagcagtca gacag	135

&lt;210&gt; 108

&lt;211&gt; 135

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 108

gacagattgg ggcattctaac agacagactg aggcattctaa cagacagatt ggggcattcta	60
acagacagac tgatgcatct aacagacaga ctgatgcac taacagacag actgaggcat	120
ctagcagtca gacag	135

&lt;210&gt; 109

&lt;211&gt; 135

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 109

gacagattgg ggcattctaac agacagactg aggcattctaa cagacagatt ggggcattcta	60
acagacagac tgatgcatct aacagacaga ctgatgcac taacagatag actgaggcat	120
ctagcagtca gacag	135

&lt;210&gt; 110

&lt;211&gt; 135

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 110

gacagattgg ggcattctaac agacagactg aggcattctaa cagacagatt ggggcattcta	60
acggacagac tgatgcatct aacagacaga ctgatgcac taacagacag actgaggcat	120
ctagcagtca gacag	135

&lt;210&gt; 111

&lt;211&gt; 135

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 111

gacagattgg ggcattctaac agacagactg aggcattctaa cagacagatt ggggcattcta	60
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acagacagac tgatgcatct aacagacaga ctgatgcac taacagacag actgagacat	120
ctagcagtca gacag	135

<210> 112

<211> 135

<212> DNA

<213> Mus musculus

<400> 112

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acagacagac tgatgcatct aacagacaga ctgatgcac taacagacag actgaggcat	120
ctagcagtca gacag	135

<210> 113

<211> 135

<212> DNA

<213> Mus musculus

<400> 113

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ctagcagtca gacag	135

<210> 114

<211> 135

<212> DNA

<213> Mus musculus

<400> 114

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ctagcagtca gacag	135

<210> 115

<211> 135

<212> DNA

<213> Mus musculus

<400> 115

gacagattgg ggcgtctaac agacagactg aggcatctaa cagacagatt ggggcatcta	60
acagacagac tgatgcatct aacagacaga ctgacgcac taacagacag actgaggcat	120
ctagcagtca gacag	135

<210> 116  
 <211> 135  
 <212> DNA  
 <213> Mus musculus

<400> 116  
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 acagacagac tgatccattct aacagacaga ctgatgcattc taacagacag actgaggcat 120  
 ctagcagttca gacag 135

<210> 117  
 <211> 135  
 <212> DNA  
 <213> Mus musculus

<400> 117  
 ggcagattgg ggcattctaac agacagactg aggcattctaa cagacagatt ggggcattcta 60  
 acagacagac tgatgcattct aacagacaga ctgatgcattc taacagacag actgaggcat 120  
 ctagcgggtca gacag 135

<210> 118  
 <211> 114  
 <212> DNA  
 <213> Mus musculus

<400> 118  
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 gcagacagac tgaagcattct agcagacaga ctgaaacattc taacaaacag aaag 114

<210> 119  
 <211> 552  
 <212> DNA  
 <213> Mus musculus

<400> 119  
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 ctagcagaca gactgaggca tctagcagac agactgaaac atctaacaga cagattgggg 180  
 cattctaacag acagattcatg gcatctaaca gacagattgg ggcattctaac agacagattg 240  
 aggcattctaa cagacagatt ggggcattcta acagacagac agaggattct agcagacaga 300  
 ttgaggcattc taacagacag attggggcat ctaacagaca gactgaggca tctaacagac 360  
 agattggggc atctaacaga cagactgagg cattctaacag acagattggg gcatctaaca 420  
 gacagactga tgcatctaac agacagactg aggcattctag cagacagaca gaggcattcta 480

gcagacagac agaggcatct agcagacaga ctgaggcatc tagcagacaa attgaggcat 540  
cagctgcagc tg 552

<210> 120  
<211> 237  
<212> DNA  
<213> Mus musculus

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agggaacagg tggcactgct taagcagaaa gtcatgaacc acgttaacag tgggtgccaa 120  
ctcatgctaa cgcagcagtt gcaaacgttt tgggaacaga ctgtcagggc tgaggggcaa 180  
tggaagaaaa aaaataacag agacaaactt gagaacttga ctggttgcga cagagaa 237

<210> 121  
<211> 228  
<212> DNA  
<213> Mus musculus

<400> 121  
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aggaagctgg agcggatcgc tcggctagag gaaaaagtga aaaccttgaa agcgcaaaac 120  
tccgagctgg catccacggc caacatgctc agggaacagg tggcacagct taagcagaaa 180  
gtcatgaacc acgttaacag tgggtgccaa ctcatgctaa cacagcag 228

<210> 122  
<211> 149  
<212> DNA  
<213> Mus musculus

<400> 122  
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ctgaggcatc taacagacag actgaggcat ctagcagaca gactgaggca tctagcagac 120  
agactgaaac atctaacaga cagatatgg 149

<210> 123  
<211> 168  
<212> DNA  
<213> Mus musculus

<400> 123  
catctaacag acagactgag gcatctaaca gacagattgg ggcatctaac agacagactg 60  
aggcatctaa cagacagatt gaggcatcta acagacagac tgatgcatct aacagacaga 120

ctggggcatc tagcagacag acagaggcat ctagcagaca gacagaga 168

<210> 124

<211> 132

<212> DNA

<213> Mus musculus

<400> 124

gcagacagat tggggcatct ggcagacaga ctgaggcatc taacagacag attgaggcat 60  
ctagcagaca gactgaggca tctaacagac agactgaggc atttagcaga cagactgagg 120  
catctagcag ac 132

<210> 125

<211> 132

<212> DNA

<213> Mus musculus

<400> 125

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catctagcag ac 132

<210> 126

<211> 81

<212> DNA

<213> Mus musculus

<400> 126

gcagacagac tgaggcatct aacagacaga ttgaggcatc tagcagacag actgaggcat 60  
ctaacagaca gactgaggca c 81

<210> 127

<211> 159

<212> DNA

<213> Mus musculus

<400> 127

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ctaacagaca gactgaggca tctaacagac agattggggc atctaacaga cagactgatg 120  
catctaacag acagactgag gcatctagca gacagaccg 159

<210> 128

<211> 138

<212> DNA

<213> Mus musculus

<400> 128

agacagaggc atctaacaga cagactgagg catctaacag acagattggg gcatctaaca	60
gacagactga ggcatctaac agacagattg gggcatctaa cagacagact gatgcatcta	120
acagacagac tgaggccc	138

<210> 129

<211> 117

<212> DNA

<213> Mus musculus

<400> 129

gacagattga gccatctagc agacagactg aggcatctaa cagacagact gaggcattta	60
acagacagat tggggcatct aacagacaga ctgaggcatc tagcagacag acagagg	117

<210> 130

<211> 117

<212> DNA

<213> Mus musculus

<400> 130

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<210> 131

<211> 117

<212> DNA

<213> Mus musculus

<400> 131

ggcagattga ggcatctagc agacagactg aggcatctaa cagacagact gaggcattta	60
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<210> 132

<211> 129

<212> DNA

<213> Mus musculus

<400> 132

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aggcatctaa cagacagatt ggggcatcta acagacagac tgaggcatct aacagacaga	120

ttggggcaa 129

<210> 133  
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 <212> DNA  
 <213> Mus musculus

<400> 133  
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 aggcatctaa cagacagatt ggggcatcta acagacagac tgaggcatct aacagacaga 120  
 ttggggcaa 129

<210> 134  
 <211> 228  
 <212> DNA  
 <213> Mus musculus

<400> 134  
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 aggaagctgg agcggatcgc tcggctagag gaaaaagtga aaaccttgaa agcgcaaaac 120  
 tccgagctgg catccacggc caacatgctc agggaacagg tggcacagct taagcagaaa 180  
 gtcatgaacc acgttaacag tgggtgccaa ctcatgctaa cacagcag 228

<210> 135  
 <211> 132  
 <212> DNA  
 <213> Mus musculus

<400> 135  
 ttggggcatc taacagacag actgaggcat ctaacagaca gattggggca tctaacagac 60  
 agactgatgc atctaacaga cagactgagg catctagcag acagacagag gcatctagca 120  
 gacagacaga aa 132

<210> 136  
 <211> 108  
 <212> DNA  
 <213> Mus musculus

<400> 136  
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 agactgatgc atctaacaga cagactgagg catctagcag acaccag 108

<210> 137



<211> 132  
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<400> 137  
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 agactgaggc ac 132

<210> 138  
 <211> 132  
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 agactgaggc ac 132

<210> 139  
 <211> 153  
 <212> DNA  
 <213> Mus musculus

<400> 139  
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 agacagaggc atctagcaga caggcagagg cac 153

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 <213> Mus musculus

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 <212> DNA  
 <213> Mus musculus

&lt;400&gt; 141

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&lt;210&gt; 142

&lt;211&gt; 324

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 142

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gattcg						306

&lt;210&gt; 147

&lt;211&gt; 249

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 147

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&lt;210&gt; 148

&lt;211&gt; 237

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 148

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&lt;210&gt; 149

&lt;211&gt; 1239

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 149

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&lt;210&gt; 150

&lt;211&gt; 168

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 150

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&lt;210&gt; 151

&lt;211&gt; 3093

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 151

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&lt;210&gt; 152

&lt;211&gt; 210

&lt;212&gt; DNA

<213> Mus musculus

<400> 152

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<210> 153

<211> 168

<212> DNA

<213> Mus musculus

<400> 153

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<211> 651

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<213> Mus musculus

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<211> 150

<212> DNA

<213> Mus musculus

<400> 155

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 <211> 420  
 <212> DNA  
 <213> Mus musculus

<400> 156	
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 <212> DNA  
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 <212> DNA  
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&lt;210&gt; 159

&lt;211&gt; 90

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 159

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&lt;210&gt; 160

&lt;211&gt; 2085

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 160

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&lt;210&gt; 161

<211> 201

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 161

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&lt;210&gt; 162

&lt;211&gt; 1236

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 162

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&lt;210&gt; 163

&lt;211&gt; 75

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 163

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&lt;210&gt; 164

&lt;211&gt; 2949

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 164

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&lt;210&gt; 165

&lt;211&gt; 138

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 165

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gcggccatct	tggaanaag					138

&lt;210&gt; 166

&lt;211&gt; 87

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 166

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&lt;210&gt; 167

&lt;211&gt; 105

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 167

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&lt;210&gt; 168

&lt;211&gt; 5172

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; vector CMV-FosCBPzz

&lt;400&gt; 168

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<223> PCR primer 5' SP6(029) T7-FosCBPzz

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<210> 176  
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<210> 177  
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&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PCR 5' primer (029)

&lt;400&gt; 177

ggaagatcta tttaggtgac actatagaac aacaacaaca acaaacaaca acaaaatg 58

&lt;210&gt; 178

&lt;211&gt; 36

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PCR 3' primer

&lt;400&gt; 178

ttttttttct tgtcgtcatc gtcctttagt tcaagc 36

&lt;210&gt; 179

&lt;211&gt; 3851

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; pDrive vector

&lt;400&gt; 179

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<223> primer Rattus FLJ32000\_R

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<210> 190  
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<400> 190  
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79/79



<210> 191  
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24